

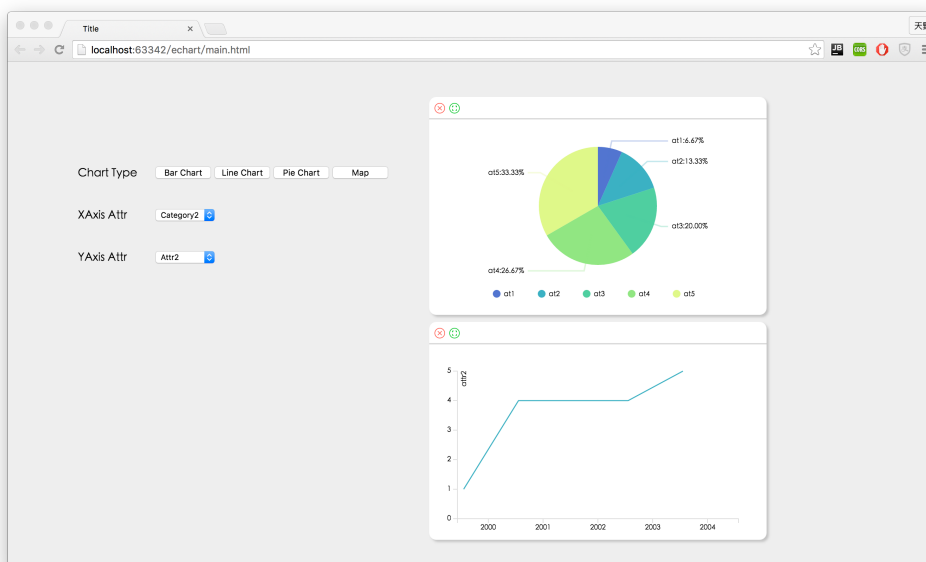
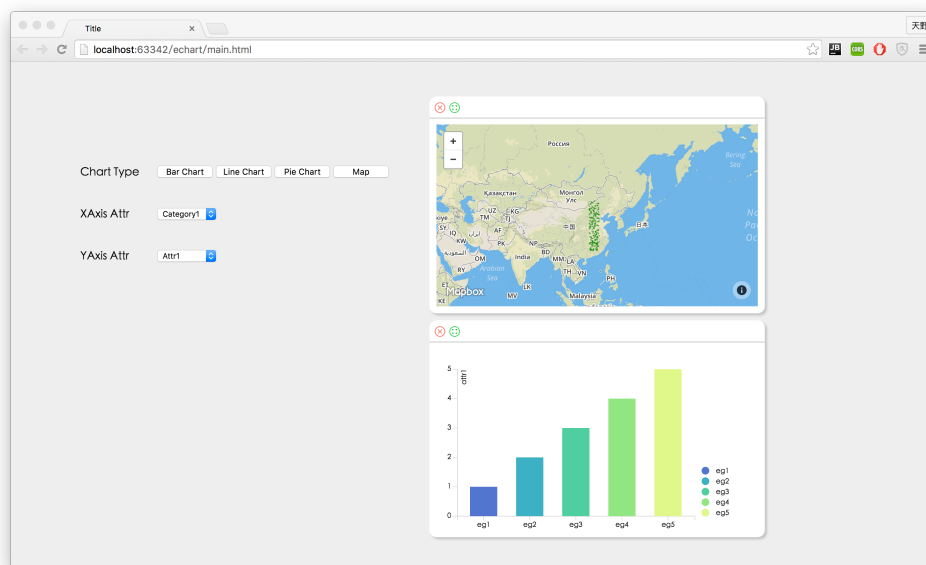
# Weekly Report

2016.06.13-2016.06.19

## 1.This Week

### Security Project

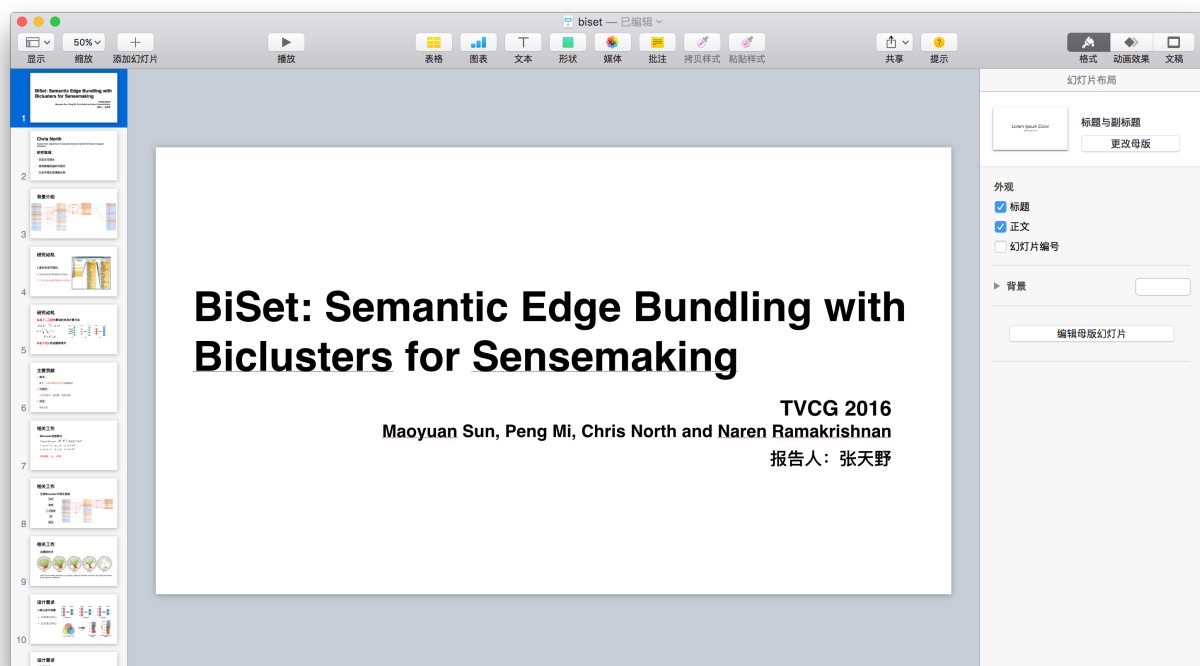
1. Realize the information panel of network security project. Users are allowed to choose the information they want to see and then select a certain kind of graph to generate an ideal assistant graph. Every graph is generated with animation and can be removed when users click the delete icon in the top left corner. Once a graph is removed, the other graphs below it will move up to fill its position (Animation is also provided).



2. Study the graphical visualization tool AntV developed by Ali.
3. Study the graphical visualization tool eCharts developed by Baidu.
4. AntV and eCharts are both based on canvas and provide convenient coding modes. But canvas graphs have no dom elements. Considering the extensibility of this project, we finally decide to use svg instead of canvas and generate graphs on ourselves. In this way, we are more free to add interactions and other wanted information anytime we want to make a change

## Group Meeting/Paper Reading

1. Deliver a report on group meeting.



Entities are represented in lists. In the space between each neighboring pair of lists, BiSet adds a “in-between” layer, displaying edges. BiSet bundles edges based on biclusters and allows users to directly manipulate bundles. The bundles can reveal task-oriented semantic insights about coordinated relationships. BiSet also applies accumulated highlighting to entities, bundles and edges to indicate highly shared entities and relationships.

## Interview Students

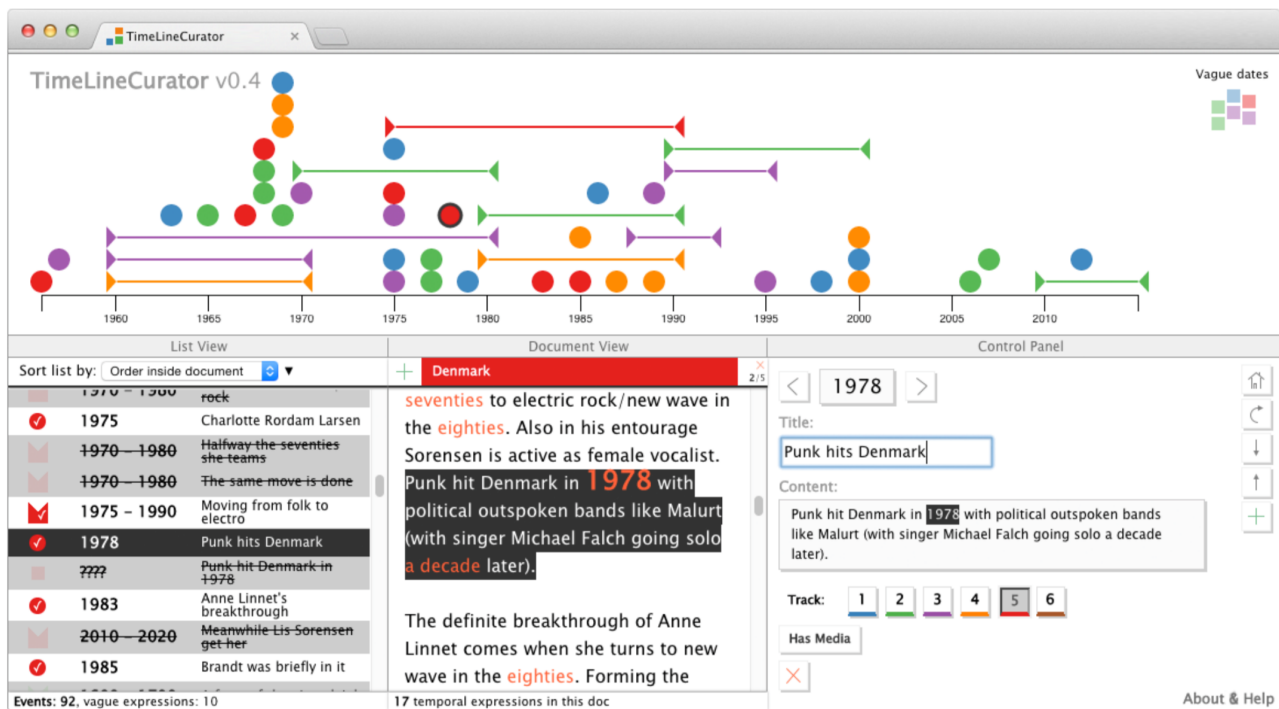
1. Interview candidate students for graduation design.

## Taking graduation photos with friends

1. Spend a whole day taking graduation photos with friends.

## Paper Reading

1. TimeLineCurator:Interactive Authoring of Visual Timelines from Unstructured Text ( TVCG 2016)



TimeLineCurator is a browser-based authoring tool that automatically extracts event data from temporal references in unstructured text documents using natural language processing. Event dates, title, and description can be adjusted when an event is selected.

This kind of work can also be applied in the field of network security visualization to indicate the lasting time of different network attacks. The idea to allow users to edit every detail of an event is fantastic.

2. A Five-Level Design Framework for Bicluster Visualizations (TVCG 2015)

This paper presents a five-level design framework for bicluster visualizations. It is closely connected with the paper I report on the group meeting this week.

Levels	Explanation	Task
Entity	between two individual entities	Discriminate, Mark, Show
Group	between one individual entity and a group of entities	Show
Bicluster	between two groups of entities	Find
Chain	multiple biclusters	Correlate
Schema	database-like patterns in a dataset	Guide, Overview

## 2.To Do

- (1) Keep up with the security project.

